

PHENIX WEEKLY PLANNING

5/8/2008

Don Lynch

Shutdown '08 Schedule

Technical Support 2008

Shutdown Prep	Done
Mu Trigger, RPC Prototype Installation, New Beampipe, CM Crane, Sta. 1 and MMN Scaffolding Reviews	All Done, Action Items in progress
RPC Prototype C tests (in tent)	in progress
Install/field fit CM access stairs	in progress
RPC Gap 0 and 5 base survey	Done
MuTr FEE upgrade/MuTr decaps WP	Done
Remove North access & MMN 4 lampshades	Done
Remove MMS East vertical Lampshade	Done
Build MMN scaffolding	5/13
Build Sta. 1 N. scaffolding	5/26
MuTr Decapacitations (Sta. 1 N and MMN)	6/2
RPC Prototype D tests (in tent)	Apr-May
Design RPC installation fixtures & MuTrigger FEE platforms	In progress

Shutdown '08 Schedule, cont'd

Technical Support 2008

RICH air control move to DC Rack

May 1-30

Prep work for MuTrgr platforms (water/elec)

May-June

Prep work for RPC proptotype install

May-June

move (7) MuID pipes

move gap 5 south cable tray

End of run Party

May 30

Prep RPC Proto, MuTrggr FEE N&S Racks

Apr-July

Install CM Crane Channel Supports

June-Sept

RPC engineering & safety review

mid June

MuTrigger FEE N Install

July - Aug.

Install MuTrigger N cooling water & air

July - Aug.

HBD Install

July-October

RPC prototype gas system

July - Aug

Move shielding for RPC prototype installation

July - Aug

RPC prototype cable routing & support

July - Aug

Modify crystal palace & vapor barrier

July - Aug

Install MuTrigger FEE N platform

July 15 - Aug 1

RPC prototype install

Aug.- Sep. (RPC3 - C. Pearson)
(RPC2 - PHENIX)

Shutdown '08 Schedule, cont'd

Technical Support 2008

Install RPC prototype rack in tunnel south	Aug. 1-29
Install MuTrigger FEE's in MMS for RPC test	Aug. 1-29
Install MuTrigger FEE South platform	Aug. 1-29
Install MuTrgr N&S rack cooling & electric	Aug. 1-29
Replace tunnel shielding	Nov. (C. Pearson)
Connect electronics/gas/water/air for RPC	Sep. - Nov.
Install MuTrigger N& S racks	Sep. - Nov
CM Crane Install	Oct.
PC1 west work (needs planning)	Sep. - Nov.
DC East?/West Repairs	Oct. - Nov.
Remove all inst'n equipment(e.g. scaffolds)	Oct. - Nov
Gap 5 north piping and cable tray re-loc.	Oct. - Dec.
Gap 2 north cable tray & crate re-mounts	Oct. - Dec
Prep for shutdown 2009	Nov. - Dec
Prep for run 9	Dec
Close shield wall start shifts	Dec.
Start physics	Jan 1



5/8/08

Shutdown '08 Electrician Work

Technical Support 2008

- 1) Install 30KVA UPS in Rack Room.
 - a) Remove existing 15kva UPS and relocate smaller 3KVA Safety System UPS.
 - b) Install new 30KVA UPS, 30 min. reserve capacity battery cabinet and maintenance bypass breaker box along west rack room wall.
 - c) Remove existing #6 UPS feeder cable and replace with larger #2 gauge cable (175 ft. run from feeder breaker to UPS and UPS to load distribution panel).
- 2) Install HVAC cooling and/or fan power circuits into RPC tent. Install fans/cooling units.
- 3) Run Power to new MuTrgr FEE racks on MMN and MMS
- 4) Install HVAC cooling and/or fan power circuits into RPC tent. Install fans/cooling units.
- 5) Install power and signal cable tray (ceiling suspended) for new DCM rack row - north of existing DCM racks.
- 6) Assist in signal cable installation for MuTr/RPC upgrades as necessary.
- 7) Upgrade power capacity of Central Magnet power distribution for future bridge rack loads.
 - a) Remove existing 15KVA transformer and install 45KVA unit.
 - b) Install new (larger size) power cable from rack room to Central Magnet distribution breaker panels.
- 8) Install power feeds to RPC north & south tunnel racks from IR power panels.

NOTE: MuTr north power panel has no available breakers to feed north tunnel racks (south panel has spare breakers for use). More engineering analysis is required to determine if the north power panel should be increased in size or for installation of a sub panel branch can be accomplished.
- 9) Install 120 volt AC power drops into new control room annunciator alarm rack (rack room).

5/8/08

Work Permit Requirements

- Standard Shutdown Commencement tasks (covered by approved procedures) Done
- MuTrigger FEE Upgrade (North & South) & MuTr Decaps, (including confined space for MMS & MMN and scaffold installation) done, waiting for approval
- CM Crane Installation
- RPC Prototype Installation
- HBD re-installation
- MuTrigger FEE rack platform installation
- PC1 Repairs
- (More will be needed – to be added to the list as appropriate)

Shutdown Work \$\$\$

PHENIC Engineering and Technical Support Group

Spending priorities meeting last Friday

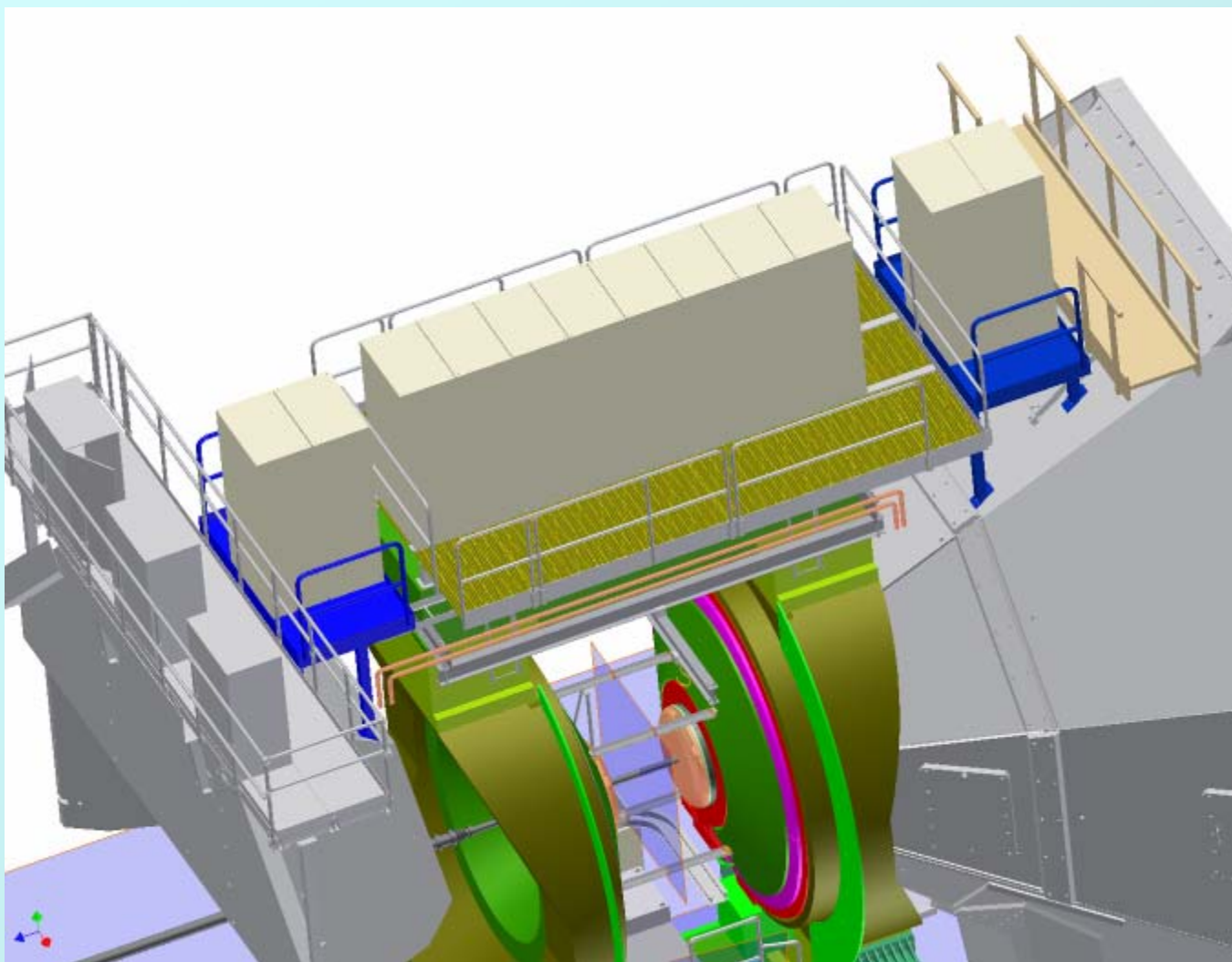


Update next Friday, Spreadsheets by Tomorrow

Projects Include:

1. CM Crane
2. New 40 mm ID beampipe
3. RPC Factory
4. RPC Prototype Installation
5. RPC Final Installation
6. MuTrigger FEE Upgrade
7. CM Access Stairs
8. MuTr Decapitations
9. Gas House Reorganization maintenance
10. Bridge Rework
11. HBD Re-installation
12. DC East & West Repairs
13. PC1 Repair
14. Rack room UPS upgrade
15. Bridge Power upgrade
16. Rack Room Update
17. Detector Rack Fan tray replacement
18. Safety System Upgrade
19. Cooling Water system upgrade
20. DAQ/Trigger Upgrade
21. DCM II Development
22. VTX support
23. FVTX support
24. NCC support

MuTrgr North FEE Rack Platform

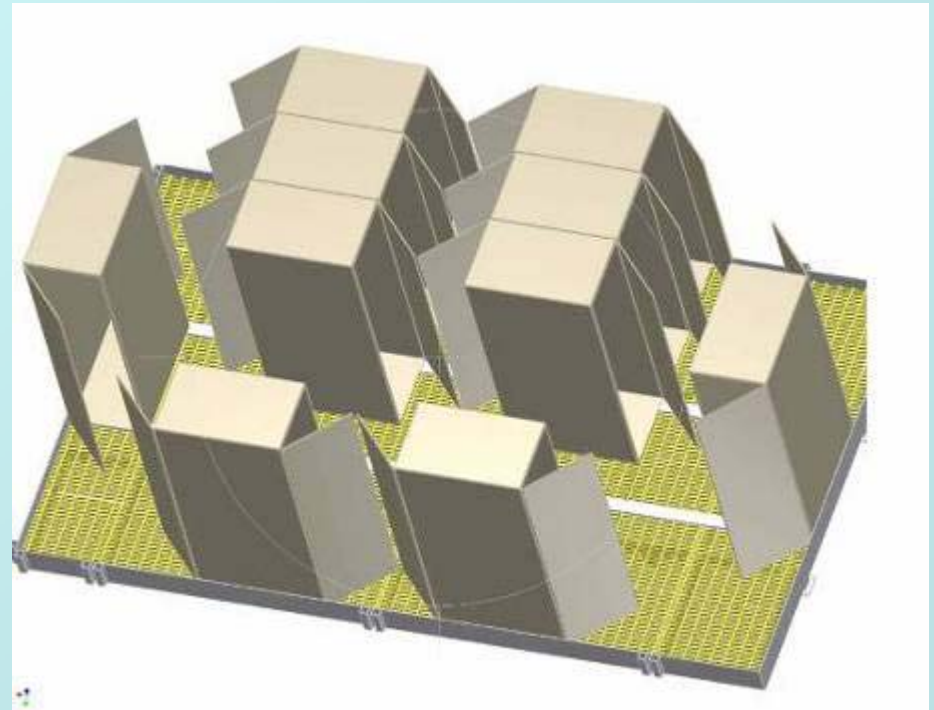
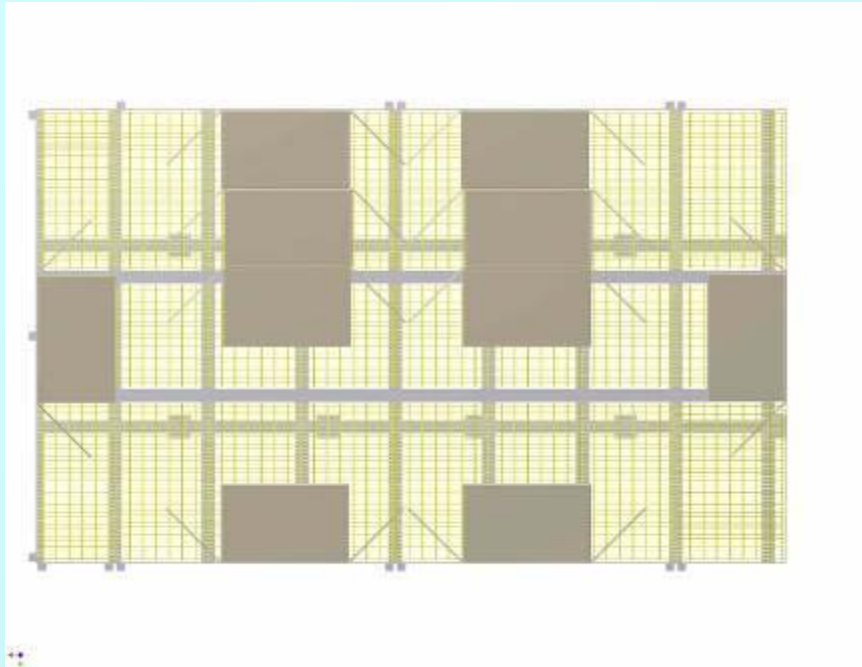


Technical Support 2008

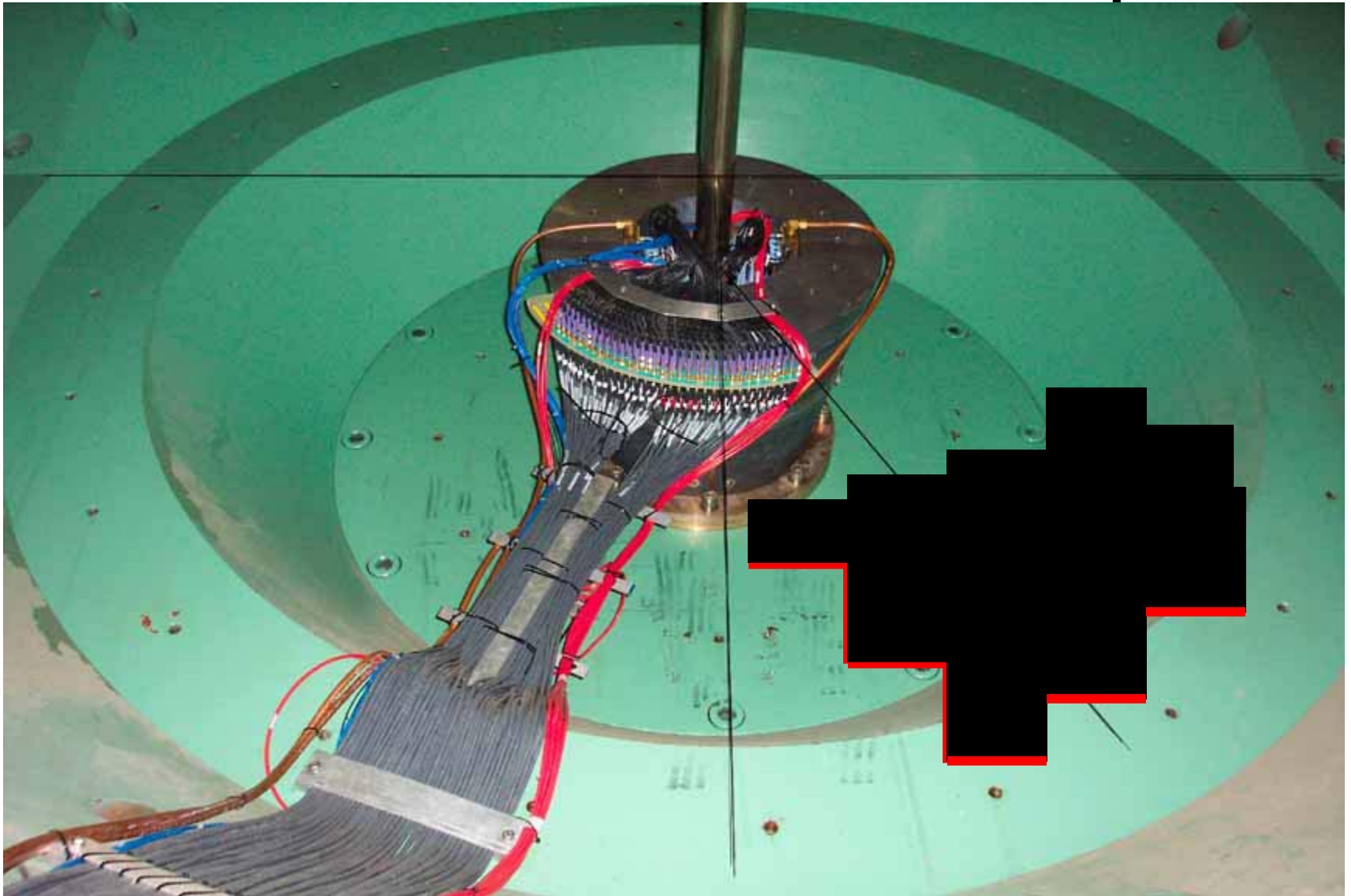
5/8/08

Bridge Rack Platform

Exploring alternative configurations
To maximize utilization of the bridge



Shelf & Pb brick concept

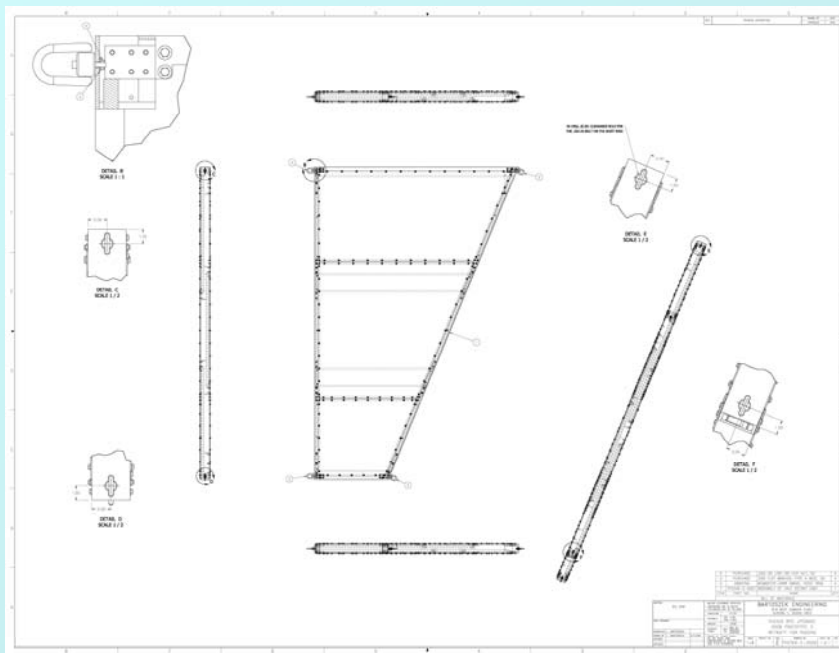


RPC Prototype Review

Rec'd dim's and lifting points from Larry B.

Ready to start work on RPC prototype installation

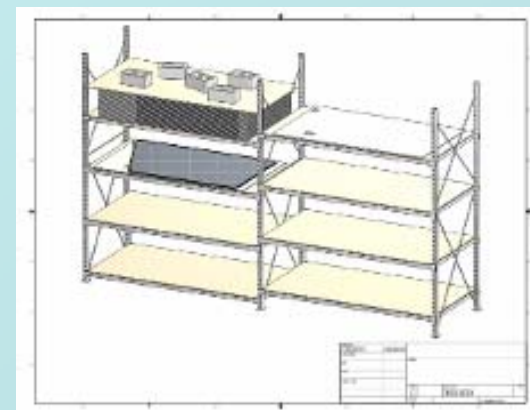
Technical Support 2008



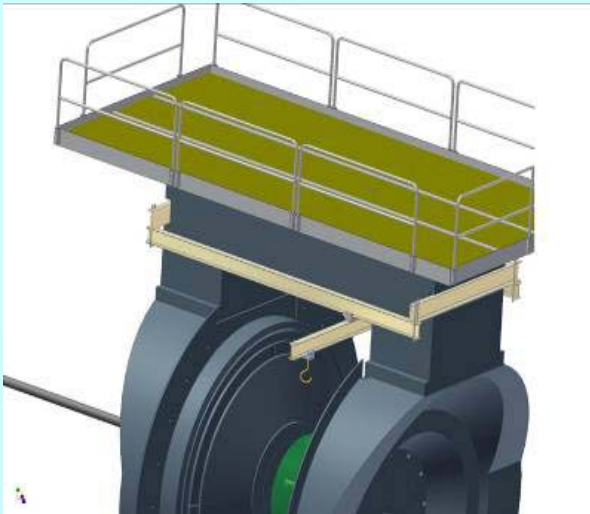
(2) ~1 Ton thru-the-wall AC's
available from CA-D

208V Need isolated electrical source

Checked and found to be in acceptable
working condition, need to be cleaned
up and mounted



Combined CM Crane, MMN & Station 1 scaffolding Review



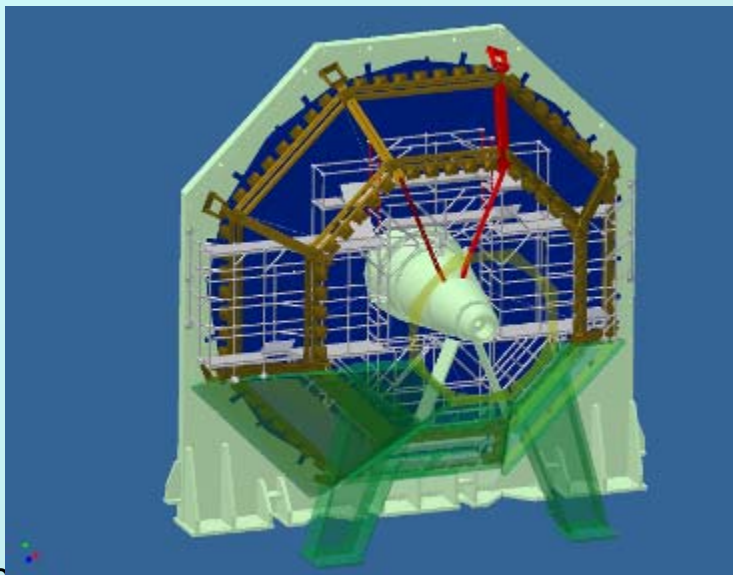
Crane installation
Postponed until fall



Station 1 platforms rec'd. Remaining
components due ~5/28

WP is approved

Station 2/3 ready to build. Waiting for
administrative approval and.



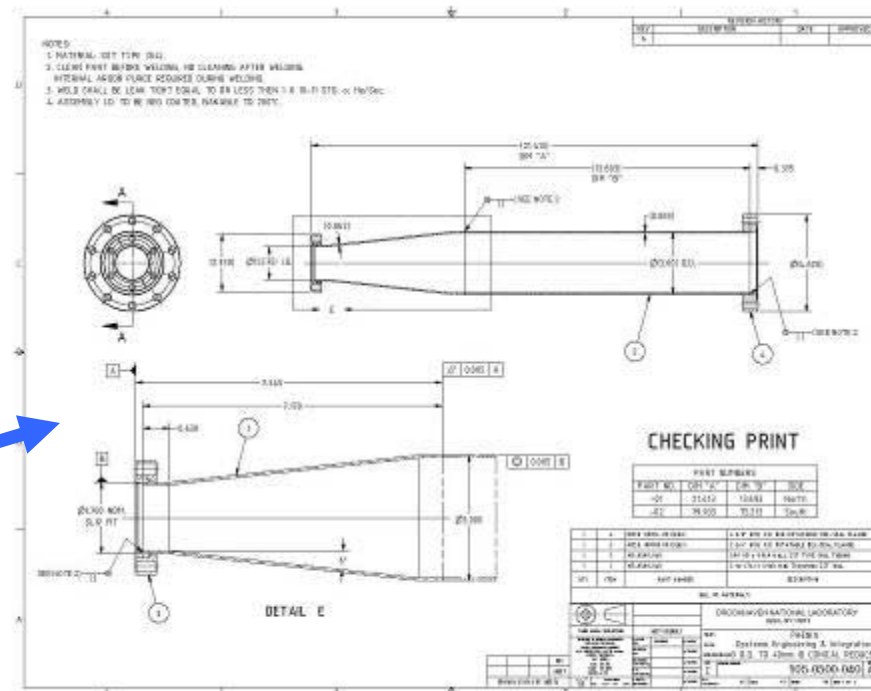
5/8/08

BP designs at SAES for
NEG quote. Meet w/ Brush
Wellman 5/19



1-5/8" to 3" transitions

Drawings Done, C-A getting Quotes for NEG coating



CM Access

Technical Support 2008

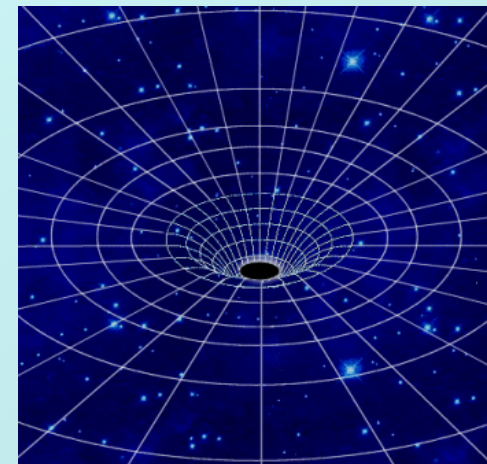


Reminder PPE Rules:

Proper PPE at all times. No shorts in the AH or IR. Proper shoes at all times

Please minimize tripping hazards in the AH and IR. We are getting lots of tours lately.

Where To Find PHENIX Engineering Info



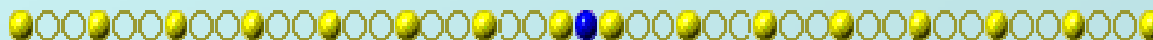
Coming soon to a TV near you:

Big Bangs and Black Holes: Starring

Mike Rau, Jimmy La Bounty and Frank Toldo

*With expert commentary by
Ed O'Brien and Barbara Jacak*

Links for the weekly planning meeting slides, long term planning, pictures, videos and other technical info can be found on the web site:



http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm